

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|-------------------------|--|------------------|---------|------------------|
| S82 2 | 2 | "6282455".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 19:00 |
| S82 1 | 34 | S820 html | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:25 |
| S82 0 | 74 | (HMI with development) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:25 |
| S81 9 | 2 | "6615091".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:24 |
| S81 7 | 38 | hmi same html | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:23 |
| S81 8 | 0 | hmi same vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:12 |
| S81 6 | 2 | "5420977".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 17:12 |

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|----------|------|--|------------------------------|-----|----|------------------|
| S81 5 | 52 | (horizontal same vertical same tree) industrial rotate aligned | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:58 |
| S81 4 | 70 | (horizontal same vertical same tree) industrial rotate | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:58 |
| S81 3 | 183 | (horizontal same vertical same tree) industrial | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:57 |
| S81 2 | 2792 | (horizontal same vertical same tree) | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:57 |
| S80 9 | 1805 | (horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy)) | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:57 |
| S81 1 | 36 | S809 industrial plant | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:55 |
| S81 0 | 3 | S809 HMI | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:55 |
| S80 8 | 0 | (horizontal adj (tree or layout or arrangement or configuration or hierarchy)) (vertical adj (tree or layout or arrangement or configuration or hierarchy)) VRML | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:54 |
| S80 7 | 70 | horizontal vertical hierarchy arrangement VRML | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:48 |
| S80 6 | 14 | (arora samir).inv. | US-PGPUB; USPAT | AND | ON | 2007/04/09 16:47 |
| S80 5 | 0 | (arora samir).inv. | DERWENT | AND | ON | 2007/04/09 16:45 |
| S80 4 | 442 | arora.inv. | DERWENT | AND | ON | 2007/04/09 16:45 |
| S80 2 | 1 | 1998-130869.NRAN. | DERWENT | AND | ON | 2007/04/09 16:45 |
| S80 3 | 13 | ("5302103" "5736080" "5852722" "6137408" "6275741" "6393807" "6466154").PN. OR ("6684264").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/09 16:19 |
| S80 1 | 5883 | 345/419.ccls. 345/420.ccls. 345/421.ccls. 345/422.ccls. 345/423.ccls. 345/424.ccls. 345/425.ccls. 345/426.ccls. 345/427.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/09 15:55 |
| S80 0 | 53 | ("5446837" "5632022" "5634062" "5634095" "5644736" "5644740" "5701137" "5745360" "5748186").PN. OR ("5911145"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/09 15:54 |

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| S79 9 | 2 | "5911145".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:53 |
| S79 8 | 12 | ((vertical\$4 horizont\$5) vrml (spaced with equal\$5)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:50 |
| S79 7 | 20 | ((vertical\$4 horizont\$5) same (tree or hierarch\$6)) vrml. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:49 |
| S79 6 | 10305 | (vertical\$4 horizont\$5) same (tree or hierarch\$6) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:38 |
| S79 3 | 434 | (types! with tree) "715".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:37 |
| S79 5 | 18 | vrml.ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:36 |
| S79 4 | 15 | (types! with tree) "715".clas. vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:35 |

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| S79 2 | 7004 | (types! with tree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:35 |
| S79 1 | 101 | (vrml with (hierarch\$5 OR tree)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:35 |
| S79 0 | 0 | (vrml with (hierarch\$5 OR tree)) HMI | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:33 |
| S78 9 | 62 | (vrml with hierarch\$5) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:32 |
| S78 8 | 0 | (vrml with hierarch\$5) HMI | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:32 |
| S55 4 | 14 | (Arora Samir).inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:31 |
| S78 7 | 40 | tree.ti. "715".clas. horizontal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:28 |

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| S78 6 | 165 | tree.ti. "715".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:28 |
| S78 5 | 3 | (vertical\$4 with (hierarchy or tree or (layout tree))) (horizontal\$4 with (hierarchy or tree or (layout tree))) VRML | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:25 |
| S78 4 | 3 | (vertical\$4 with (hierarchy or tree)) (horizontal\$4 with (hierarchy or tree)) VRML | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:24 |
| S78 3 | 34 | S782 "715".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:20 |
| S78 2 | 510 | (vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:20 |
| S78 1 | 0 | (vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:16 |
| S78 0 | 0 | 715/854.ccls. (vertical\$4 near2 (hierarchy or tree)) (horizontal\$4 near2 (hierarchy or tree)) vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:15 |

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| S77 9 | 2 | 715/854.ccls. vertical horizontal vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:15 |
| S77 8 | 695 | 715/854.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:14 |
| S77 5 | 175 | 715/853.ccls. vertical horizontal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:14 |
| S77 7 | 77 | 715/858.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:11 |
| S77 4 | 824 | 715/853.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:11 |
| S77 6 | 2 | (715/855.ccls. or 715/854.ccls. or 715/853.ccls.) vertical horizontal vrml | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:09 |
| S50 7 | 3 | 715/853.ccls. (vertical adj tree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 15:00 |

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| S77 3 | 29 | (vertical adj tree) (horizontal adj tree) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 14:54 |
| S76 7 | 11 | ((man or human) adj machine adj interface) industrial graphical hierarchy parent hmi scada visualization | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/09 14:47 |
| S77 2 | 76 | yufeng.inv. | US-PGPUB; USPAT | AND | ON | 2007/04/06 11:36 |
| S77 1 | 74 | ((man or human) adj machine adj interface) industrial graphical hierarch\$5 parent hmi | US-PGPUB; USPAT | AND | ON | 2007/04/06 11:36 |
| S77 0 | 3 | (intelligent adj hmi) objects | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 11:08 |
| S76 9 | 8 | ihmi objects | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 11:07 |
| S76 8 | 1101 | (Rockwell Automation).as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:51 |
| S76 6 | 15 | ((man or human) adj machine adj interface).clm. industrial graphical hierarchy parent | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:46 |
| S76 5 | 1 | ((man or human) adj machine adj interface).clm. industrial graphical hierarchy (equal\$4 adj spac\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:18 |

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| S76 4 | 31 | ((man or human) adj machine adj interface).clm. industrial graphical hierarchy | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:16 |
| S76 3 | 91 | ((man or human) adj machine adj interface).clm. industrial graphical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:15 |
| S76 2 | 206 | ((man or human) adj machine adj interface).clm. industrial | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:15 |
| S76 1 | 866 | ((man or human) adj machine adj interface).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:15 |
| S76 0 | 9 | Siemens.as. HMI parent | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:14 |
| S75 9 | 97 | Siemens.as. HMI | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:00 |
| S75 8 | 182337 | Siemens.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:00 |
| S75 7 | 2 | "6853920".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 10:00 |

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| S75 6 | 2 | "20040024657".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 09:59 |
| S24 5 | 3 | S243 and leaf and node zoom | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 09:57 |
| S75 4 | 16 | ("20030232176" "4290248" "4721589" "5007818" "5149193" "5362222" "5812394" "6156842").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 09:56 |
| S75 5 | 3 | ("6904387").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/06 09:54 |
| S75 3 | 4 | S752 overlap | US-PGPUB; USPAT | AND | ON | 2007/04/05 21:13 |
| S75 2 | 6 | S751 drag\$3 | US-PGPUB; USPAT | AND | ON | 2007/04/05 21:13 |
| S75 1 | 11 | S748 node parent | US-PGPUB; USPAT | AND | ON | 2007/04/05 21:06 |
| S75 0 | 34 | S748 node | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:41 |
| S74 9 | 25 | S748 collection | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:41 |
| S74 8 | 87 | S747 or S746 | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:39 |
| S74 7 | 10 | ((Configur\$3 or edit\$3) ((industrial adj plant)or (Process adj Control))).ti. | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:39 |
| S74 6 | 87 | S744 or S743 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:39 |
| S74 5 | 2 | S744 S743 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:39 |

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|----------|-------|--|------------------------------|-----|----|------------------|
| S74 3 | 10 | ((Configur\$3 or edit\$3) (Process adj Control)).ti. | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:39 |
| S74 4 | 79 | ("3665172" "4006464" "4302820" "4413314" "4443861" "4639852" "4641269" "4663704" "4672530" "4682158" "4704676" "5121318" "5124908" "5129087" "5140677" "5164894" "5168441" "5202961" "5251125" "5307346" "5309556" "5371895" "5377315" "5384910" "5392389" "5394522" "5408603" "5420977" "5426732" "5428734" "5432711" "5437007" "5444851" "5452201" "5459825" "5461710" "5467264" "5475856" "5481741" "5485620" "5491791" "5500934" "5504672" "5504902" "5513095" "5519605" "5530643" "5546301" "5549137" "5550980" "5559691" "5566320" "5576946" "5594858" "5621871" "Re33162").PN. OR ("5940294").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:38 |
| S74 2 | 26828 | ((Configur\$3 or edit\$3) (Process adj Control)) | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:34 |
| S74 1 | 27 | ("4812996" "4868785" "4884228" "5136705" "5155836" "5309352" "5481741" "5630164" "5801942" "5812394" "5828851" "5838563" "5966532" "5970471" "5991537" "5861882" "6053951" "6061057" "6064816" "6083267" "6098028" "6167383" "6173438" "6219628" "6339763" "6078320" "6985876").PN. | US-PGPUB; USPAT | AND | ON | 2007/04/05 20:33 |
| S74 0 | 11 | "715".clas. (industrial with process)(drop\$3 or drag\$3) position parent ((virtual adj instrument) or (virtual adj panel) or (screen adj node)) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:30 |
| S73 9 | 9 | "715".clas. (industrial with process)(drop\$3 or drag\$3) position parent ((virtual adj instrument) or (virtual adj panel)) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:25 |
| S73 8 | 35 | "715".clas. (industrial with process)(drop\$3 or drag\$3) position parent | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:22 |

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| S73 7 | 11 | S735 (drop\$3 or drag\$3) position | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:21 |
| S73 6 | 23 | S735 (drop\$3 or drag\$3) | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:16 |
| S73 5 | 45 | ("20020144282" "20030036871" "20030036874" "20030036875" "20030036876" "20030058280" "20030066065" "20030163298" "4812996" "4868785" "4884228" "5136705" "5155836" "5481741" "5630164" "5752042" "5812394" "5845077" "5966532" "5970471" "5974454" "5991537" "6049789" "6053951" "6064816" "6074434" "6083267" "6098028" "6105063" "6167383" "6173438" "6219628" "6266774" "6269456" "6339763" "6367077" "6493871" "6535911" "6681351" "6701513" "6732296" "6751794" "6785805").PN. OR ("6889172").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/05 20:12 |
| S73 4 | 10 | ("2003/0036871").URPN. | USPAT | AND | ON | 2007/04/05 19:51 |
| S73 3 | 6 | (ONLINE MEASUREMENT SYSTEM). ti. | US-PGPUB | AND | ON | 2007/04/05 19:50 |
| S73 2 | 1 | 2003-466375.NRAN. | DERWENT | AND | ON | 2007/04/05 19:50 |
| S73 1 | 1 | 2003-466375.NRAN. | DERWENT | AND | ON | 2007/04/05 19:50 |
| S73 0 | 3 | (ONLINE CONFIGURATION MEASUREMENT SYSTEM).ti. | DERWENT | AND | ON | 2007/04/05 19:49 |
| S72 9 | 1 | 2003-456454.NRAN. | DERWENT | AND | ON | 2007/04/05 19:47 |
| S72 8 | 1 | "20030036873".pn. | DERWENT | AND | ON | 2007/04/05 19:47 |
| S72 7 | 2 | "US 20030036873" | US-PGPUB; USPAT; USOCR; DERWENT | AND | ON | 2007/04/05 19:47 |
| S72 6 | 11 | S725 industrial | US-PGPUB; USPAT | AND | ON | 2007/04/05 19:40 |

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| S72 5 | 24 | (US-20030023518-\$ or US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$).did. or (US-6854111-\$ or US-5432897-\$ or US-7017116-\$ or US-6053951-\$ or US-6975914-\$ or US-5870559-\$ or US-6054986-\$ or US-6144962-\$ or US-6684264-\$ or US-6549221-\$ or US-5812135-\$ or US-4914568-\$ or US-5606654-\$ or US-5838563-\$ or US-6618856-\$ or US-6754885-\$ or US-6067093-\$ or US-5493678-\$ or US-6067477-\$ or US-6259458-\$). did. | US-PGPUB; USPAT | AND | ON | 2007/04/05 19:40 |
| S72 4 | 19 | ("5812135").URPN. | USPAT | AND | ON | 2007/04/05 19:30 |
| S72 3 | 3845 | S722 calcula\$4 | US-PGPUB; USPAT | AND | ON | 2007/04/05 18:19 |
| S72 2 | 8903 | ((human adj machine adj interface) or (HMI) or (man adj machine adj interface)) | US-PGPUB; USPAT | AND | ON | 2007/04/05 18:18 |
| S71 1 | 526 | (715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.) | US-PGPUB; USPAT | AND | ON | 2007/04/05 18:18 |
| S72 1 | 12886 | ((human adj machine adj interface) or (HMI) or (man adj machine adj interface)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:17 |
| S72 0 | 3 | (industrial adj plant) iconic\$4 Hierarchic\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:14 |
| S71 9 | 2 | (industrial adj plant) (automated with (machine adj controller)) (hmi or mmi) Hierarchic\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:12 |

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| S71 8 | 132 | (automated with (machine adj controller)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:04 |
| S71 7 | 12 | (automated adj machine adj controller) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:04 |
| S71 3 | 30 | S712 Hierarchic\$4 | US-PGPUB; USPAT | AND | ON | 2007/04/05 18:04 |
| S70 9 | 2839 | (industrial adj plant).ab. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 18:04 |
| S71 6 | 56 | "715".clas. (parent with overlap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 17:49 |
| S71 5 | 36 | S712 Hierarch\$6 | US-PGPUB; USPAT | AND | ON | 2007/04/05 17:39 |
| S71 4 | 17 | S713 (drag\$3 or drop\$3) | US-PGPUB; USPAT | AND | ON | 2007/04/05 16:51 |
| S71 2 | 96 | S711 industrial | US-PGPUB; USPAT | AND | ON | 2007/04/05 16:50 |
| S71 0 | 247 | (industrial adj plant).ab. | US-PGPUB; USPAT | AND | ON | 2007/04/05 16:44 |
| S41 2 | 4 | "screen navigation editor" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/05 16:37 |
| S70 8 | 8 | ((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 20:01 |

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| S70 7 | 0 | ((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 20:00 |
| S70 6 | 64 | (updat\$3) hierarchy (drag\$3 or drop\$3 or "on top") (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 20:00 |
| S70 5 | 2 | (recursively with updat\$3) hierarchy (drag\$3 or drop\$3 or "on top") (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:59 |
| S70 4 | 2 | (recursively with updat\$3) hierarchy (drag\$3 or drop\$3 or "on top of") (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:59 |
| S70 3 | 2 | (recursively with updat\$3) hierarchy (drag\$3 or drop\$3) (industrial adj plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:59 |
| S70 2 | 6 | (update with (hierarchy or tree)) (industrial plant).ab. | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:58 |
| S70 1 | 30 | (recursively same (update with (hierarchy or tree))) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:58 |
| S70 0 | 0 | industrial (recursively same (update with (hierarchy or tree))) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:54 |
| S69 9 | 0 | industrial (recursively same update with (hierarchy or tree)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:54 |
| S69 8 | 0 | industrial (recursively with update with (hierarchy or tree)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:54 |
| S69 7 | 15 | S696 (drop or drag) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:54 |
| S69 6 | 25 | ("4812996" "4868785" "4884228" "5136705" "5155836" "5481741" "5630164" "5812394" "5966532" "5991537" "5309352" "5801942" "5828851" "5838563" "5970471" "6053951" "6061057" "6064816" "6098028" "6173438" "6219628" "6785805" "6083267" "6167383" "6339763").PN. | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:48 |
| S69 5 | 1 | S694 drag with top | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:42 |

EAST Search History

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|----------|----|--|--|-----|----|------------------|
| S69 4 | 22 | (US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$ or US-20030023518-\$).did. or (US-6054986-\$ or US-4914568-\$ or US-6975914-\$ or US-6854111-\$ or US-6067477-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-6144962-\$ or US-5870559-\$ or US-5493678-\$ or US-6549221-\$ or US-6684264-\$ or US-5812135-\$). did. | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:39 |
| S69 3 | 1 | "6282454".pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:36 |
| S69 2 | 2 | "6282454".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:36 |
| S69 1 | 7 | (vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3 or scada) near3 plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:33 |
| S66 4 | 7 | (vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant) | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:32 |
| S69 0 | 10 | "5911145" process with control | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:31 |
| S68 9 | 33 | "5911145" process control | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:31 |

EAST Search History

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|----------|-----|--|--|-----|----|------------------|
| S68 8 | 45 | "5911145" process | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:30 |
| S68 7 | 3 | "5911145" industrial | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:30 |
| S68 6 | 51 | "5911145" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:29 |
| S68 5 | 31 | (Industrial plant).ti. | US-PGPUB | AND | ON | 2007/04/03 19:27 |
| S68 4 | 140 | (Industrial plant).ti. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 19:22 |
| S68 3 | 3 | S682 drag drop | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 19:21 |
| S68 2 | 62 | ("4399513" "4413314" "4644479" "4803039" "4872121" "4985857" "5202828" "5291416" "5311562" "5559691" "5602757" "5623109" "5631825" "5675752" "5719796" "5748881" "5822743" "5826251" "5838588" "5854994" "5859885" "5870698" "5877961" "5899990" "5905985" "5905989" "5918225" "5963884" "5995916" "RE31750").PN. OR ("6421571").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 19:12 |
| S68 1 | 2 | "6421571".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 19:09 |
| S68 0 | 3 | ("6055369" "20010029506" "5926180").pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 19:05 |

EAST Search History

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|------|----|---|--|-----|----|------------------|
| S679 | 3 | ("5546521" "5777616" "6347800").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 18:31 |
| S678 | 1 | "20060256084".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 18:31 |
| S677 | 8 | ("5812394" "5822206" "6161051").PN. OR ("6477435").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 18:28 |
| S676 | 1 | "6477435".pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:58 |
| S652 | 10 | (automated adj machine adj controller) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:58 |
| S675 | 10 | ("20050004781" "5072412" "5247433" "6189019" "6587108" "6795798" "6888554" "6889096" "6947798" "6966033").PN. | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:53 |
| S674 | 20 | ("20050004781" "5072412" "5247433" "6189019" "6587108" "6795798" "6888554" "6889096" "6947798" "6966033").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 17:53 |
| S673 | 3 | "6,889,096" | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 17:43 |
| S672 | 1 | "7165226".pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:37 |
| S658 | 1 | (industrial near3 plant) (updat\$3 with hierarchy) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:37 |
| S671 | 21 | industrial ((drag or drop) same (recursive\$3)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:33 |
| S670 | 2 | industrial ((drag drop) same (recursive\$3)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:33 |
| S669 | 14 | industrial plant (drag drop) (recursive\$3) tree | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:32 |
| S668 | 38 | industrial plant (drag drop) (recursive\$3) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:31 |
| S667 | 2 | industrial plant (drag adj drop) (recursively with updat\$3) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:31 |
| S665 | 10 | industrial plant (drag adj drop) recursively | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:30 |
| S666 | 15 | "6282455" | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:28 |

EAST Search History

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|----------|------|---|--------------------|-----|----|------------------|
| S64 1 | 6 | industrial plant (parent adj node) recursively | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:23 |
| S66 3 | 99 | (vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:10 |
| S66 2 | 2099 | (vertical\$5 with tree) (horizontal\$5 with tree) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:10 |
| S66 1 | 27 | (vertical adj tree) (horizontal adj tree) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:09 |
| S66 0 | 25 | ((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy) | US-PGPUB; USPAT | AND | ON | 2007/04/03 17:06 |
| S65 9 | 15 | ((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:57 |
| S65 7 | 2 | (715/967.ccls.) (updat\$3 with hierarchy) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:55 |
| S65 6 | 3 | (automated)(machine adj controller) (cell adj control) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:54 |
| S65 5 | 276 | (automated)(machine adj controller) (cell control) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:54 |
| S65 4 | 276 | (automated)(machine adj controller) cell control | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:53 |
| S65 3 | 1192 | (automated)(machine adj controller) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:53 |
| S65 1 | 45 | (drop same (updat\$3 with hierarchy)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:51 |
| S65 0 | 1 | ((715/967.ccls.)) (drop with top) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:48 |
| S64 8 | 8 | ((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top) | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:47 |
| S64 7 | 13 | (node with overlap) industrial plant | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:44 |
| S64 6 | 36 | (node with collision) industrial plant | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:44 |
| S64 5 | 225 | (node with collision) industrial | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:43 |
| S64 4 | 2 | "20040128120".pn. or "20040073404".pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 16:42 |
| S64 3 | 2 | (industrial with plant) (automated with controller) (recursively with update) | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:29 |
| S64 2 | 1 | (10/196007).APP. | USPAT; USOCR | AND | ON | 2007/04/03 14:25 |

EAST Search History

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|------|-----|--|------------------------|-----|----|------------------|
| S640 | 115 | industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY)) | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:24 |
| S639 | 125 | industrial (parent adj node) recursively | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:24 |
| S638 | 2 | ((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:23 |
| S637 | 2 | ((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:23 |
| S636 | 6 | ((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:22 |
| S635 | 6 | ((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:22 |
| S633 | 9 | ((715/967.ccls.) OR (715/771.ccls.)) (parent with position) | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:21 |
| S632 | 10 | ((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:14 |
| S631 | 21 | ((715/967.ccls.) OR (715/771.ccls.)) (parent with node) | US-PGPUB; USPAT | AND | ON | 2007/04/03 14:06 |
| S625 | 5 | ((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node) | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:55 |
| S627 | 73 | ("4591983" "4628435" "4644479" "4719586" "4803039" "4815014" "4839823" "4853175" "4855923" "4858102" "4947095" "5068080" "5099436" "5119318" "5148363" "5161110" "5189604" "5195029" "5214577" "5216612" "5239547" "5249260" "5251144" "5267141" "5305426" "5333240" "5355444" "5398304" "5402526" "5403447" "5406502" "5412756" "5414632" "5442562" "5463545" "5463567" "5511004" "5521844" "5541832" "5557549" "5559691" "5561610" "5617514" "5630025" "5659743").PN. OR ("5905989").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/04/03 13:54 |
| S626 | 1 | "5905989".pn. | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:50 |
| S624 | 5 | ((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:46 |

EAST Search History

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|------|-----|---|--|-----|----|------------------|
| S623 | 11 | ((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:46 |
| S622 | 52 | ((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:46 |
| S621 | 19 | 715/967.ccls. industrial (drag or drop) | US-PGPUB; USPAT | AND | ON | 2007/04/03 13:45 |
| S620 | 19 | 715/967.ccls. industrial (drag or drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 13:45 |
| S619 | 39 | 715/967.ccls. industrial | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 13:44 |
| S618 | 188 | 715/967.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/03 13:44 |
| S613 | 5 | ((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top) | US-PGPUB | AND | ON | 2007/04/02 15:48 |
| S612 | 28 | ((hmi or (human adj machine adj interface)) with edit\$3) position | US-PGPUB | AND | ON | 2007/04/02 15:47 |
| S611 | 22 | (hmi with editor) position | US-PGPUB | AND | ON | 2007/04/02 15:46 |
| S610 | 25 | (hmi with editor) | US-PGPUB | AND | ON | 2007/04/02 15:44 |
| S609 | 10 | (hmi with editor) "715".clas. | US-PGPUB | AND | ON | 2007/04/02 15:43 |
| S608 | 3 | (process editor).ti. | US-PGPUB | AND | ON | 2007/04/02 15:41 |
| S605 | 0 | (industrial adj process).clm. GUI editor.ti. | US-PGPUB | AND | ON | 2007/04/02 15:40 |
| S604 | 15 | (industrial adj process).clm. GUI | US-PGPUB | AND | ON | 2007/04/02 15:40 |
| S603 | 381 | (industrial adj process).clm. | US-PGPUB | AND | ON | 2007/04/02 15:40 |

EAST Search History

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|------|-------|---|--|-----|----|------------------|
| S602 | 416 | (industrial near process).clm. | US-PGPUB | AND | ON | 2007/04/02 15:40 |
| S601 | 1746 | (industrial process).clm. | US-PGPUB | AND | ON | 2007/04/02 15:40 |
| S600 | 174 | (industrial process).ti. | US-PGPUB | AND | ON | 2007/04/02 15:39 |
| S596 | 915 | hmi process | US-PGPUB | AND | ON | 2007/04/02 15:37 |
| S595 | 41 | (process with visualization) (drag with drop) editor | US-PGPUB; USPAT | AND | ON | 2007/04/02 15:20 |
| S587 | 0 | (process with visualization) (drag with drop) | US-PGPUB; USPAT | AND | ON | 2007/04/02 15:20 |
| S594 | 51568 | process visualization | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/02 15:19 |
| S320 | 23 | hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/02 15:19 |
| S593 | 1 | 2004-315841.NRAN. | DERWENT | AND | ON | 2007/04/02 13:13 |
| S592 | 1 | 2004-315841.NRAN. | DERWENT | AND | ON | 2007/04/02 13:13 |
| S591 | 3 | (process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy | US-PGPUB; USPAT | AND | ON | 2007/04/02 13:11 |
| S590 | 84 | (process with visualization) (drag with drop) hierarchy | US-PGPUB; USPAT | AND | ON | 2007/04/02 13:10 |
| S589 | 144 | (process with visualization) (drag with drop) | US-PGPUB; USPAT | AND | ON | 2007/04/02 12:40 |
| S588 | 144 | (process with visualization) (drag with drop) | US-PGPUB; USPAT | AND | ON | 2007/04/02 12:40 |
| S586 | 3 | (HMI adj screens) (drag with drop) | US-PGPUB; USPAT | AND | ON | 2007/04/02 12:39 |
| S585 | 28 | (HMI adj screens) parent | US-PGPUB; USPAT | AND | ON | 2007/04/02 12:38 |
| S584 | 63 | HMI adj screens | US-PGPUB; USPAT | AND | ON | 2007/04/02 11:30 |
| S583 | 6 | HMI adj user adj screens | US-PGPUB; USPAT | AND | ON | 2007/04/02 11:25 |

EAST Search History

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|----------|-----|--|--|-----|----|------------------|
| S58 2 | 0 | S577 (parent with adjusting) recursivlyu | US-PGPUB; USPAT | AND | ON | 2007/04/02 11:02 |
| S58 1 | 5 | S577 (parent with position) | US-PGPUB; USPAT | AND | ON | 2007/04/02 11:00 |
| S58 0 | 5 | S577 (parent same position) | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:59 |
| S57 9 | 5 | S577 parent position | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:59 |
| S57 8 | 5 | S577 position | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:59 |
| S57 7 | 5 | (Industrial plant).ti. vertical horizontal GUI | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:59 |
| S57 6 | 30 | (Industrial plant).ti. vertical horizontal | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:54 |
| S57 5 | 9 | (Industrial adj plant).ti. vertical horizontal | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:53 |
| S57 4 | 48 | (Industrial adj plant).ti. | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:52 |
| S57 3 | 223 | (Industrial adj plant).clm. | US-PGPUB; USPAT | AND | ON | 2007/04/02 10:52 |
| S57 2 | 151 | (Industrial adj plant).clm. | USPAT | AND | ON | 2007/04/02 10:52 |
| S57 1 | 522 | (Industrial plant).clm. | USPAT | AND | ON | 2007/04/02 10:52 |
| S57 0 | 549 | (Industrial plant).ab. | USPAT | AND | ON | 2007/04/02 10:52 |
| S56 9 | 98 | (Industrial plant).ti. | USPAT | AND | ON | 2007/04/02 10:52 |
| S55 6 | 4 | ("5911145" "6237006" "6282454" "6421571").PN. | USPAT | AND | ON | 2007/04/02 10:51 |
| S56 8 | 2 | hierarchi\$ node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/04/02 09:23 |
| S56 7 | 2 | "5911145".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 23:54 |

EAST Search History

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|----------|-----|--|--|-----|----|------------------|
| S56 6 | 18 | ("4524421" "4613946" "4710763" "4841292" "5333254" "5557714" "5592599" "5619632" "5774669" "5786820" "5877775").PN. OR ("6259458").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 23:48 |
| S56 5 | 2 | S561 (relocat\$3 near3 node) | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 23:46 |
| S56 4 | 7 | S561 (position near3 node) | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 23:46 |
| S56 3 | 20 | S561 position | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 23:41 |
| S56 2 | 127 | S508 position | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 23:39 |
| S56 1 | 24 | (US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$).did. | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 23:39 |
| S49 4 | 2 | "5911145".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 22:52 |
| S55 1 | 142 | (tree adj structure) near3 (editor or editing) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 22:20 |
| S55 3 | 9 | (NetObjects).as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 22:11 |

EAST Search History

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|----------|-----|--|------------------------------|-----|----|------------------|
| S55 2 | 24 | (tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:44 |
| S55 0 | 183 | ((tree adj structure) near3 edit\$3) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:36 |
| S54 4 | 45 | (tree near3 structure near3 editor) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:35 |
| S54 9 | 154 | (become near3 new near2 (parent or root)) (tree or hierarch\$4) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:33 |
| S54 8 | 89 | (become near3 new near3 parent) (tree or hierarch\$4) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:32 |
| S54 7 | 80 | (become near3 new near3 parent) (tree or hierarchy) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:32 |
| S54 6 | 137 | (become near3 new near3 parent) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:26 |
| S54 5 | 37 | ("4075689" "4318184" "4447875" "4468728" "4611298" "4613946" "4656603" "4677550" "4710763" "4763277" "4764867" "4813010" "4817036" "4831525" "4860204" "4866635" "4868743").PN. OR ("5493678").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:22 |
| S54 3 | 27 | (tree or hierarchy) (relocate near3 node) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:15 |
| S54 2 | 9 | (dynamic near3 (tree or hierarchy)) with edit\$3 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:03 |
| S54 1 | 409 | (dynamic near3 (tree or hierarchy)) edit\$3 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:01 |
| S54 0 | 192 | (dynamic near3 (tree or hierarchy)) editor | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:01 |
| S53 9 | 347 | (dynamic near3 (tree or hierarchy)) visual | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:01 |
| S53 8 | 71 | (visual adj tree) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 21:00 |

EAST Search History

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| S53 7 | 55 | ("4606002" "4611272" "4945475" "5058144" "5202986" "5230047" "5257365" "5293616" "5295261" "5333317" "5377281" "5392363" "5404510" "5418947" "5487166" "5488717" "5495609" "5497485" "5528701" "5530957" "5534861" "5551027" "5557786" "5560007" "5644763" "5649023" "5651099" "5664172" "5694591" "5701467" "5717921" "5737732" "5752243" "5761652" "5765168" "5768423" "5781772" "5787430" "5799184" "5799299" "5809296" "5832182" "5842196" "5848416" "5873087" "5884297" "5963956" "5970170" "6014659" "6041053" "6153591" "6175835" "6208993" "6240418").PN. OR ("6675173"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 20:56 |
| S53 6 | 28 | (vertical adj tree) (horizontal adj tree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:53 |
| S53 5 | 144 | (vertical adj tree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:53 |
| S53 4 | 15 | 715/853.ccls. (layout with automatic\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:53 |
| S53 3 | 6 | 715/853.ccls. (layout with automatic) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:50 |

EAST Search History

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| S53 1 | 211 | 715/853.ccls. layout | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:50 |
| S53 2 | 142 | S531 automatic\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:49 |
| S53 0 | 15 | 715/853.ccls. (adjusting with position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:49 |
| S52 9 | 34 | 715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:39 |
| S52 8 | 33 | 715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:36 |
| S52 7 | 1 | 715/853.ccls. (Collision with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:30 |
| S52 6 | 10 | 715/853.ccls. Collision | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:30 |

EAST Search History

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| S51 6 | 47 | 715/853.ccls. (node near3 automatic\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:28 |
| S52 5 | 125 | (shift with (parent or root or node) with right) tree | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:04 |
| S52 4 | 363 | (shift with (parent or root or node) with right) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 20:04 |
| S52 3 | 103 | (Tree adj View adj Control) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:23 |
| S52 2 | 70 | (drop adj node) editor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:16 |
| S52 1 | 1257 | drop adj node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:13 |
| S52 0 | 55 | (node with automatic\$4 with (((intersection or overlap or collide or collision or intersection))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:13 |

EAST Search History

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| S51 9 | 5 | 715/853.ccls. (node with automatic\$4 with drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:12 |
| S51 4 | 24 | 715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:12 |
| S51 8 | 2 | 715/853.ccls. (node near3 automatic\$4) with drop | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:11 |
| S51 7 | 0 | 715/853.ccls. (node near3 automatic\$4) with insert | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:10 |
| S51 5 | 2 | "5911145".pn. automatic\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:07 |
| S51 3 | 32 | 715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:06 |
| S51 2 | 35 | 715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 19:05 |

EAST Search History

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| S51 1 | 75 | 715/853.ccls. (node near3 position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:52 |
| S51 0 | 14 | 715/853.ccls. (adjust near3 position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:48 |
| S50 9 | 89 | 715/853.ccls. ((node or root or parent) near3 position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:45 |
| S50 8 | 127 | 715/853.ccls. ((node or root or parent) with position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:44 |
| S50 6 | 112 | 715/853.ccls. shift | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:43 |
| S50 5 | 13 | 715/853.ccls. (reorder) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:42 |
| S50 4 | 42 | 715/853.ccls. (updat\$3 near3 (parent or node or root)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:41 |

EAST Search History

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| S50 3 | 307 | 715/853.ccls. (updat\$3 (parent or node or root)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:34 |
| S50 2 | 794 | 715/853.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:34 |
| S46 8 | 38 | 345/440.ccls. 715/853.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 18:34 |
| S50 1 | 32 | (hierarchic\$5 tree) (re adj position) node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:59 |
| S50 0 | 53 | (hierarchic\$5 tree) (re adj position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:58 |
| S49 9 | 10887 | (hierarchic\$5 tree) (editor or editing or modifying) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:58 |
| S49 8 | 2 | ((hierarchical or tree)) (((parent or root or top) with node) with (drag adj over)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:45 |

EAST Search History

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| S49 7 | 2 | "7035898".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:38 |
| S49 6 | 222 | detect\$4 same (collision with between with nodes) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:38 |
| S49 5 | 504 | detect\$4 (collision with between with nodes) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 17:38 |
| S49 3 | 152 | ((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 16:13 |
| S49 2 | 2 | ((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 16:13 |
| S49 1 | 207 | ((hierarchical or tree)) (((parent or root or top) with node) with ((drag\$3 adj over) or drop)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 16:11 |
| S48 9 | 3 | (edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with ((intersect\$3 or overlap\$3 or collide or collision) with node)) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 16:06 |

EAST Search History

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| S48 8 | 54 | (edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 16:02 |
| S48 7 | 8 | (edit\$3 with hierarchical near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 16:01 |
| S48 6 | 6 | (edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 16:00 |
| S48 5 | 31 | (hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:59 |
| S48 4 | 67 | (hierarchical display).ti. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:56 |
| S48 3 | 101 | S477 S481 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:55 |

EAST Search History

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| S47 7 | 1121 | ("20010029506" "20010045965" "20010056429" "20020015034" "20020026461" "20020032768" "20020054166" "20020057297" "20020089541" "20020089550" "20020109680" "20020130907" "20020140700" "20020152150" "20020154171" "20020154175" "20020163517" "20020174147" "20030004995" "20030020762" "20030065608" "20030069834" "20030095156" "20030097325" "20030106057" "20030112280" "20030115023" "20030117432" "20030120659" "20030126068" "20030126601" "20030137541" "20030144996" "20030158897" "20030160832" "20030197736" "20030197737" "20030197740" "20030210284" "20030227458" "20040034591" "20040193524" "20050075965" "3522597" "3688099" "3757037" "3930233" "4064394" "4085443" "4167821" "4227245" "4315315" "4317956" "4323891" "4366475" "4392130" "4418345" "4451900" "4455619" "4464543" "4514800" "4514801" "4524421" "4527249" "4528643" "4542452" "4546349" "4546435" "4555772" "4570217" "4613946" "4622013" "4633436" "4641274" "4648028" "4648062" "4648064" "4656603" "4663704" "4674040" "4677587" "4695968" "4696003" "4710763" "4713748" "4725970" "4729105" "4736320" "4739477" "4742467" "4744084" "4752889" "4763356" "4769817" "4772882" "4813013" "4815029" "4821211" "4831580" "4841441" "4849880" "4868743" "4872167" "4901221" "4910663" "4914568" "4922432" "4931783" "4933880" "4949270".PN. OR ("4953080" "4953106" "4956773" "4962475" "4974174" "5065347" "5072412" "5088052" "5103498" "5122972" "5136690" "5150457" "5155806" "5168554" "5175812" "5179643" "5179654" "5182705" "5187786" "5191645" "5193182" "5195183" "5204947" "5206951" "5226118" "5226161" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:54 |
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EAST Search History

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| S48 1 | 327 | (("20030050915" "3816726" "4524421" "4528643" "4613946" "4698752" "4710763" "4719571" "4807158" "4833592" "4841292" "4868771" "4928247" "4994989" "5043920" "5072395" "5150457" "5164904" "5201047" "5226120" "5228119" "5247517" "5247666" "5251131" "5253333" "5276789" "5282262" "5295243" "5295244" "5297241" "5303388" "5307456" "5325445" "5333254" "5337404" "5339390" "5379422" "5386394" "5394522" "5412772" "5418946" "5420968" "5426780" "5428744" "5459829" "5463773" "5467444" "5479597" "5504863" "5515486" "5515488" "5519865" "5526478" "5528735" "5546529" "5553163" "5555354" "5557714" "5559942" "5572640" "5592599" "5604821" "5619632" "5623590" "5634087" "5644740" "5659731" "5671333" "5671381" "5675711" "5675785" "5675786" "5678015" "5680476" "5684967" "5694524" "5696964" "5706495" "5715432" "5724573" "5727199" "5732230" "5737487" "5748852" "5751965" "5761664" "5761667" "5774669" "5786820" "5787274" "5802383" "5821937" "5861891" "5870768" "5877775" "5958008" "5966128" "6055539" "6067093" "B14555775").PN. OR ("5450535" "5590250" "5877766" "6067093" "6111578" "6137493" "6137499" "6219053" "6259451" "6259458" "6922692").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:53 |
| S48 2 | 7 | S481 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:51 |

EAST Search History

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| S480 | 11 | S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:45 |
| S479 | 26 | S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) (intersect\$3 or overlap\$3 or collide or collision) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:44 |
| S478 | 125 | S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:43 |
| S476 | 33 | S474 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:32 |
| S475 | 100 | S474 (parent or root or (top adj level) or (top adj most) or father or mother) near3 node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:30 |
| S472 | 11 | (updat\$3 near3 parent) node tree leaf spacing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/20 15:28 |

EAST Search History

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| S47 4 | 1007 | ("20010034659" "20020022900" "20030004874" "20030176940" "20030177046" "20030181991" "20040046997" "3665172" "3810119" "3825905" "4006464" "4064394" "4096566" "4141066" "4276593" "4302820" "4312068" "4315315" "4323966" "4347563" "4399513" "4410942" "4413314" "4423486" "4428044" "4435762" "4443861" "4455619" "4456997" "4466098" "4471457" "4488226" "4493027" "4524421" "4546435" "4570217" "4609995" "4613946" "4615001" "4628437" "4635183" "4639852" "4641269" "4641276" "4644478" "4644479" "4648064" "4649479" "4656603" "4658372" "4663704" "4672530" "4675812" "4677587" "4682158" "4682304" "4683530" "4692859" "4692918" "4695968" "4703421" "4704676" "4709325" "4710763" "4719593" "4727477" "4733366" "4742349" "4750109" "4754127" "4785408" "4790762" "4803039" "4805107" "4813013" "4816996" "4817094" "4841292" "4872106" "4872121" "4891766" "4897777" "4897866" "4910658" "4910691" "4918690" "4958277" "4959774" "4965717" "4965742" "4965880" "4985857" "4991076" "4991170" "5008805" "5021889" "5042002" "5050165" "5051736" "5060980" "5068778" "5093794" "5121318" "5122948" "5124908" "5129087" "5131092" "5134574" "5136704" "5138708" "5140677" "5146589" "5151978" "5151981" "5159673" "5162986" "5163055" "5164894" "5166685" "5167011" "5168276" "5168441").PN. OR ("5168554" "5175829" "5193175" "5202828" "5202961" "5212784" "5228123" "5233615" "5241588" "5245704" "5247651" "5251125" "5255367" "5258999" "5262761" "5271013" "5280547" "5283729" "5289365" "5291416" "5294792" "5295758" "5295761" "5297143" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/12/20 15:27 |
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EAST Search History

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| S47 3 | 22 | (US-20030191608-\$ or US-20020120921-\$).did. or (US-6259458-\$ or US-6054986-\$ or US-5606654-\$ or US-5432897-\$ or US-5386459-\$ or US-6067477-\$ or US-6975914-\$ or US-6889096-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-5301301-\$ or US-6862105-\$ or US-6144962-\$ or US-5911145-\$ or US-5870559-\$ or US-6549221-\$ or US-6684264-\$).did. or (JP-05307476-\$).did. | US-PGPUB; USPAT; JPO | AND | ON | 2006/12/20 15:25 |
| S47 1 | 1 | (updating adj parent) node tree leaf spacing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 22:10 |
| S46 9 | 2 | (update adj parent) node tree leaf spacing | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 22:10 |
| S47 0 | 10 | (update adj parent) node tree leaf distance | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 22:09 |
| S46 7 | 4 | 345/440.ccls. 715/514.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:46 |
| S46 6 | 38 | 345/440.ccls. 715/853.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:42 |

EAST Search History

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| S46 5 | 1 | 345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:41 |
| S46 4 | 1 | 1990-101229.NRAN. | DERWENT | AND | ON | 2006/12/19 21:37 |
| S46 3 | 94 | (edit\$3 tree).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:35 |
| S46 2 | 65 | (editing tree).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:22 |
| S46 1 | 1152 | 345/440.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:21 |
| S46 0 | 39 | edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node)aligned node equally | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:19 |
| S45 9 | 342 | edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:16 |
| S45 8 | 211 | edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:15 |

EAST Search History

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| S45 6 | 211 | edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:13 |
| S45 7 | 210 | edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:12 |
| S45 5 | 278 | edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:12 |
| S45 4 | 31 | tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:10 |
| S45 3 | 7 | tree (node adj editor) layout | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:08 |
| S45 2 | 66 | tree (node adj editor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:06 |

EAST Search History

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| S45 1 | 11 | hierarchi\$5 tree (drag near3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:06 |
| S45 0 | 11 | hierarchi\$5 tree (drag near3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or situat\$3 (re adj distrib\$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:04 |
| S44 9 | 11 | hierarchi\$5 tree (drag near3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 21:03 |
| S44 8 | 2 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat\$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:56 |

EAST Search History

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| S44 7 | 1 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (\$3position\$3) with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:48 |
| S44 6 | 1 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with position with parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:26 |
| S44 3 | 8 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:24 |
| S44 5 | 14 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near4 (node or parent or child or leaf)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:19 |
| S44 4 | 14 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 20:04 |
| S44 2 | 17 | hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:58 |
| S44 0 | 25 | hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout)) (collide or collision or intersection) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:57 |

EAST Search History

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| S44 1 | 5 | hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout)) ((collide or collision or intersection) with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:54 |
| S43 8 | 69 | hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:53 |
| S43 9 | 512 | hierarchi\$5 tree (automatic\$4 with parent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:50 |
| S43 4 | 0 | hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:37 |
| S43 3 | 5 | hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:37 |
| S43 2 | 5 | hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:33 |
| S43 0 | 2 | hierarchi\$5 node tree HMI editor (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:32 |

EAST Search History

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|----------|----|---|--|-----|----|------------------|
| S42 5 | 22 | Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near3 drop)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:31 |
| S42 9 | 2 | hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with updat\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:24 |
| S42 8 | 7 | hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:23 |
| S42 7 | 10 | hierarchical\$2 node tree HMI editor (drag near3 drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:19 |
| S42 6 | 4 | Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near3 drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:15 |
| S42 4 | 29 | Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:12 |
| S42 1 | 16 | Human machine interface screen naviga\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:10 |
| S41 3 | 1 | 2004-315841.NRAN. | DERWENT | AND | ON | 2006/12/19 19:07 |

EAST Search History

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| S41 1 | 10 | (updat\$3 with hierarchy) (node with spacing) parent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 19:04 |
| S41 0 | 10 | (updat\$3 with hierarchy) (node with spacing) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:51 |
| S40 6 | 7 | (715/964.ccls. or 715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:49 |
| S40 3 | 3 | (715/964.ccls. or 715/965.ccls. 715/966.ccls. 715/967.ccls. 715/969.ccls. 715/970.ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:41 |
| S40 2 | 2 | S398 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:40 |
| S40 1 | 5 | S398 parent adj node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:29 |
| S40 0 | 28 | S398 node parent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:27 |

EAST Search History

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| S39 9 | 69 | S398 node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:27 |
| S39 8 | 183 | 715/967.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:26 |
| S39 6 | 3 | tree (node with visibility) ("HMI") or (Human adj Machine adj Interface)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:25 |
| S39 7 | 105 | 715/965.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 18:24 |
| S39 5 | 7 | S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:57 |
| S39 4 | 41 | S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:56 |
| S39 3 | 92 | S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:56 |

EAST Search History

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|----------|-------|--|--|-----|----|------------------|
| S39 2 | 38 | S391 ((intersect\$3 or overlap\$3 or collide or collision) same parent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:54 |
| S39 1 | 19484 | ((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or S383 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:53 |
| S38 9 | 30 | S386 ((intersect\$3 or overlap\$3 or collide or collision) same parent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:53 |
| S38 6 | 11192 | ((("HMI") or ((Human adj Machine adj Interface)))) or S383 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:52 |
| S39 0 | 93 | S386 ((intersect\$3 or overlap\$3 or collide or collision) same node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:51 |
| S38 8 | 2 | S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:50 |
| S38 7 | 2 | S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:50 |

EAST Search History

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| S38 4 | 2 | S383 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:49 |
| S38 3 | 7242 | ((monitoring or program\$4 or controll\$3) same ((automation with machine) or (automation with process\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:48 |
| S35 8 | 231 | ((("HMI") or ((Human adj Machine adj Interface)))) collision | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:48 |
| S38 5 | 2 | ScreenNavNodes | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:25 |
| S38 1 | 2 | S365 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:11 |
| S36 5 | 1499 | ((monitoring or program\$4 or controll\$3) with ((automation near2 machine) or (automation near2 process\$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:10 |
| S38 2 | 2 | ((("HMI") or ((Human adj Machine adj Interface)))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:07 |

EAST Search History

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| S380 | 34 | (intersect\$3 or overlap\$3 or collide or collision) S365(updat\$3 with position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:07 |
| S379 | 1 | (intersect\$3 or overlap\$3 or collide or collision) S373 (updat\$3 with position) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:06 |
| S377 | 21 | (intersect\$3 or overlap\$3 or collide or collision) S373 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:05 |
| S376 | 13 | S374 overlap | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:03 |

EAST Search History

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| S37 4 | 102 | ("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155" "20050165548" "20040150644" "20040156321" "20040153568" "20040151121" "20040160464" "20040125124" "20040162743" "20050004746" "20040168119" "20040170130" "20040172347" "20040177113" "20040181547" "20040186840" "20040183695" "20040125143" "20040205638" "20040202379" "20040212616" "20040212615" "20040213190" "20040017404" "20040239701" "20040225530" "20040236800" "20040233857" "20040012638" "20040239683" "20040243616" "20040243613" "20050254429" "20040249781" "20040250237" "20040250227" "20060206511" "20040046864" "20060156314" "20040263513" "20040267873" "20040267694" "20040107184" "20040236655" "20050010906" "20050010592" "20040205726" "20050063313" "20040015928" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20050076055" "20040044636" "20040044702" "20040053645" | US-PGPUB | OR | ON | 2006/12/19 17:02 |
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EAST Search History

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| S37 3 | 203 | ("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802" "20040139080" "20040128070" "20040125114" "20040139155" "20050165548" "20040150644" "20040156321" "20040153568" "20040151121" "20040160464" "20040125124" "20040162743" "20050004746" "20040168119" "20040170130" "20040172347" "20040177113" "20040181547" "20040186840" "20040183695" "20040125143" "20040205638" "20040202379" "20040212616" "20040212615" "20040213190" "20040017404" "20040239701" "20040225530" "20040236800" "20040233857" "20040012638" "20040239683" "20040243616" "20040243613" "20050254429" "20040249781" "20040250237" "20040250227" "20060206511" "20040046864" "20060156314" "20040263513" "20040267873" "20040267694" "20040107184" "20040236655" "20050010906" "20050010592" "20040205726" "20050063313" "20040015928" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20050076055" "20040044636" "20040044702" "20040053645" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/19 17:02 |
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EAST Search History

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|----------|-----|------------------------------|--|-----|----|------------------|
| S37 1 | 5 | S366 tree (parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 17:01 |
| S37 2 | 20 | S365 (parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:32 |
| S37 0 | 5 | S369 (parent with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:32 |
| S36 7 | 40 | S366 tree | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:31 |
| S36 9 | 27 | S368 parent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:29 |
| S36 8 | 37 | S367 node | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:29 |
| S36 6 | 130 | S365 (screens)! | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:27 |

EAST Search History

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|----------|---|---|--|-----|----|------------------|
| S36 4 | 2 | ((("HMI" or (Human adj Machine adj Interface)) (leaf with parent) ((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:20 |
| S36 3 | 7 | ((("HMI" or ((Human adj Machine adj Interface))) (node with (intersect\$3 or overlap\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 16:00 |
| S36 2 | 6 | ((("HMI" or ((Human adj Machine adj Interface))) (node near3 (intersect\$3 or overlap\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 15:50 |
| S36 1 | 6 | ((("HMI" or ((Human adj Machine adj Interface))) (node near (intersect\$3 or overlap\$3)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 15:43 |
| S36 0 | 3 | ((("HMI" or ((Human adj Machine adj Interface))) (collision with node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 13:45 |
| S35 9 | 2 | ((("HMI" or ((Human adj Machine adj Interface))) (collision near3 node) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 13:45 |
| S35 7 | 3 | ((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 13:43 |

EAST Search History

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| S35 5 | 79 | ("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 13:37 |
| S35 4 | 43 | ("HMI" with editor) or ((Human adj Machine adj Interface) with editor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 13:20 |
| S35 3 | 66 | (HMI with editor) or ((Human Machine Interface) with editor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 10:29 |
| S35 2 | 93 | (HMI adj editor) or (Human Machine Interface adj editor) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 10:28 |
| S22 9 | 90 | (HMI adj editor) or (Human Machine Interface adj editor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/12/19 10:28 |
| S35 1 | 15 | (US-20020120921-\$).did. or (US-6975914-\$ or US-6889096-\$ or US-6754885-\$ or US-6054986-\$ or US-4914568-\$ or US-5301301-\$ or US-6618856-\$ or US-5386459-\$ or US-6862105-\$ or US-5566333-\$ or US-5911145-\$ or US-7017116-\$ or US-6549221-\$ or US-6684264-\$). did. | US-PGPUB; USPAT | AND | ON | 2006/12/19 10:27 |
| S34 2 | 8 | "6055369".pn. "6407758".pn. "5812135".pn. "5911145".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/22 15:00 |

EAST Search History

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| S348 | 2 | ("20020120921").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/06/22 14:27 |
| S350 | 2 | "5911145".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/22 10:54 |
| S214 | 2446 | (human-machine adj interface) or (human adj machine adj interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/20 16:12 |
| S309 | 213 | (Human adj Machine adj Interface) and editor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 15:28 |
| S341 | 372 | 715/514.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 15:27 |
| S340 | 1423 | 700/83.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 15:27 |
| S339 | 67 | 715/726.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 15:27 |
| S337 | 372 | 715/514.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 15:27 |

EAST Search History

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|----------|------|--|---|-----|----|------------------|
| S33 8 | 1423 | 700/83.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 13:58 |
| S33 6 | 626 | 715/854.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 13:58 |
| S33 5 | 35 | (HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 13:57 |
| S33 4 | 8 | (HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 13:44 |
| S25 3 | 362 | (HMI or (Human adj Machine adj Interface)) and hierarc\$10 and (specification) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/15 13:34 |
| S33 3 | 2 | "6421571".did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 16:17 |
| S33 2 | 2 | "20020120921".did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 16:17 |
| S33 1 | 4 | 2002/0120921 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 15:07 |

EAST Search History

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| S330 | 2 | "6618856".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 15:07 |
| S329 | 56 | (HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 15:05 |
| S327 | 167 | creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 14:26 |
| S328 | 59 | S327 and hierarc\$10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 14:22 |
| S319 | 40 | hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 12:22 |
| S318 | 305 | hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 12:22 |
| S317 | 30 | hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/08 12:19 |
| S315 | 34 | S314 and edit\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 17:40 |

EAST Search History

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|----------|------|---|---|-----|----|------------------|
| S31 4 | 58 | S312 and linking | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 17:40 |
| S31 3 | 228 | S312 and links | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 17:37 |
| S31 2 | 354 | (Human adj Machine adj Interface) and navigation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 17:37 |
| S31 1 | 95 | (Human adj Machine adj Interface) and navigating | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 17:37 |
| S30 2 | 2456 | (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 16:01 |
| S30 7 | 66 | S306 and hierarch\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:56 |
| S30 6 | 140 | S302 node same link | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:56 |
| S30 5 | 439 | S302 node link | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:54 |

EAST Search History

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|----------|-----|---|---|-----|----|------------------|
| S30 4 | 561 | S302 node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:54 |
| S30 1 | 4 | first adj (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:53 |
| S29 8 | 856 | button and (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:50 |
| S29 4 | 17 | (second adj screen) and (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:49 |
| S29 7 | 921 | 700/204.ccls. or 700/15-17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:36 |
| S29 5 | 714 | 700/17.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:36 |
| S29 3 | 17 | second adj screen and (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:27 |
| S29 2 | 117 | zoom and (Human adj Machine adj Interface) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 15:26 |

EAST Search History

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|----------|------|-----------------------------|---|-----|----|------------------|
| S29 1 | 10 | zoom and HMI adj editor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/07 14:28 |
| S28 9 | 18 | Specify adj root adj node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 17:22 |
| S28 2 | 2593 | S281 and specification | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 17:20 |
| S28 5 | 18 | S281 and 715/762.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 17:03 |
| S28 6 | 3 | S284 and 715/762.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:53 |
| S28 4 | 990 | S283 arrangement | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:51 |
| S28 3 | 1960 | S282 relationship | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:41 |
| S28 1 | 4492 | hierarch\$9 (root adj node) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:37 |

EAST Search History

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| S24 2 | 12 | (HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:33 |
| S27 9 | 70 | S278 industrial | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:29 |
| S27 8 | 270 | S277 and interface | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:28 |
| S27 7 | 276 | hierarch\$9 (root adj node) editor navigation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:28 |
| S24 0 | 249 | (HMI or (Human adj Machine adj Interface)).ti. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:08 |
| S27 4 | 21 | (715/771).ccls. and hierarch\$9 root | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:01 |
| S27 3 | 87 | (715/771).ccls. and hierarch\$9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 16:01 |
| S27 0 | 82 | (715/771).ccls. and node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:40 |

EAST Search History

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| S24 6 | 291 | (715/771).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:40 |
| S27 2 | 11 | S271 and specification | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:39 |
| S27 1 | 18 | S270 and root | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:38 |
| S26 8 | 4 | editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:36 |
| S26 7 | 3 | editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:35 |
| S26 1 | 475 | (715/762).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:03 |
| S24 8 | 14 | (715/771).ccls. and (715/762).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 15:03 |
| S25 8 | 33 | providing screen navigation editor hierarch\$9 (HMI or (Human adj Machine adj Interface)) screen node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 14:49 |

EAST Search History

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| S25 7 | 22 | providing screen navigation editor linked hierarch\$9 HMI screen node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 14:48 |
| S25 1 | 362 | (HMI or (Human adj Machine adj Interface)) and hierarc\$10 and specification | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 14:48 |
| S25 6 | 4 | S255 and zoom | US-PGPUB; USPAT | OR | ON | 2006/06/05 14:41 |
| S25 5 | 17 | ("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn. | US-PGPUB; USPAT | OR | ON | 2006/06/05 14:38 |
| S25 4 | 33 | ("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/05 14:35 |
| S24 3 | 35 | (HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 14:25 |
| S25 0 | 6 | ("5301301" "5592600" "6054986" "6437805" "6449624" "6593947").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/06/05 14:21 |
| S24 9 | 3 | (715/771).ccls. and (715/762).ccls. and hierarch\$9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 13:58 |
| S24 7 | 20 | (715/771).ccls. and (715/763).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 13:57 |

EAST Search History

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|----------|------|---|---|-----|----|------------------|
| S21 8 | 1419 | 700/83.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 13:45 |
| S24 4 | 12 | S243 and leaf and node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 13:07 |
| S22 5 | 3751 | (HMI or (Human adj Machine adj Interface)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 12:17 |
| S23 9 | 59 | ((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom\$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 12:16 |
| S23 7 | 12 | ((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 11:45 |
| S23 8 | 10 | S237 and zoom\$6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 11:30 |
| S23 5 | 12 | ((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/05 11:29 |
| S23 4 | 5 | 09/607369 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 17:22 |

EAST Search History

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|----------|------|---|---|-----|----|------------------|
| S23 2 | 49 | ((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 17:20 |
| S23 0 | 14 | (HMI adj editor) or (Human adj Machine adj Interface adj editor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 16:44 |
| S22 8 | 14 | HMI adj editor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 16:42 |
| S22 3 | 67 | S222 and (HMI or (Human adj Machine adj Interface)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:40 |
| S22 2 | 2643 | 715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:37 |
| S22 1 | 979 | 715/854.ccls. or 715/514.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:37 |
| S22 0 | 625 | 715/854.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:37 |
| S21 9 | 369 | 715/514.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:36 |

EAST Search History

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| S21 7 | 293 | 700/20.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 15:33 |
| S21 6 | 120 | S215 and node | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 13:30 |
| S21 5 | 351 | S214 navigation | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2006/06/01 10:46 |